

## Complex Traits

### 1) Incomplete dominance

Let's assume that dragons show incomplete dominance for fire breathing. The  $F$  allele provides lots of fire and the  $f$  allele gives no fire. (a) If a dragon that has very strong fire is crossed with a dragon that has moderate fire, what will their offspring be like? (b) Under what conditions can a baby dragon be born that never has fire? Justify your answer with Punnett Squares.

### 2) Codominance

Let's say that the color of merpeople's tail is controlled by a codominant gene and the alleles are blue (B) and green (G). Show a cross between two merpeople who have bluish-green tails (BG). Give the offspring phenotypes with percentages.